U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK TRANSMITTAL LETTER TO THE UNITED STATES U.S. APPLIC DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371 PRIORITY DATE CLAIMED INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE October 21, 2003 PCT/US2004/034911 October 20, 2004 TITLE OF INVENTION HUMAN CATHELICIDIN ANTIMICROBIAL PEPTIDES APPLICANT(S) FOR DO/EO/US GALLO, Richard and MURAKAMI, Masamoto Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: 1. X This is a FIRST submission to items concerning a filing under 35 U.S.C. 371. 2. This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (22) indicated below. 4. The US has been elected by the expiration of 19 months from the priority date (Article 31). 5. X A copy of the International Application as filed (35 U.S.C. 371(c)(2)) b. X has been communicated by the International Bureau. is not required, as the application was filed in the United States Receiving Office (RO/US). 6. An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)) a. is attached hereto. b. has been previously submitted under 35 U.S.C. 154(d)(4). 7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a.

are attached hereto (required only if not communicated by the International Bureau). b. have been communicated by the International Bureau. c. In have not been made; however, the time limit for making such amendments has NOT expired. d. have not been made and will not be made. 8. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 21 below concern document(s) or information included: 11. An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. X A FIRST preliminary amendment. 14. A SECOND or SUBSEQUENT preliminary amendment. 15. A substitute specification. 16. A change of power of attorney and/or address letter. 17. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 C.F.R. 1.821 - 1.825. 18. A second copy of the published international application under 35 U.S.C. 154(d)(4). 19. A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). Other items or information: <u>Copy of the PCT Request; Copy of the Fee Calculation Sheet; PCT General Power of Attorney;</u> Notification Concerning Transmittal of Copy of the International Application as Published or Republished; Communication (concerning Appointment of New Agent); Notification Concerning Representation; Notification of Int. Application Number and of the Int. Filing Date: Notification of Receipt of Search Copy: Notification of Receipt of Record Copy: Notification of the Recording of a Change; Application Data Sheet; and Return Receipt Postcard

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U.S	S. API	To Be Assigned	see_37 CFR 1.5) I		rional application i PCT/US2004/03491		ATTORN	IEY'S DOCKET NU 1034123-00	
21	x X	Applicant(s) requests that the published application include the following assignment					CALCULATIONS	PTO USE ONLY	
- 1.		Applicant(s) requests that the published application include the following assignment information: The Regents of the University of California 1111 Franklin Street, 5th Floor Oakland, California 94607-5200 United States of America							
22.	×	The following fees are su	ubmitted:						
	Basic Filing Fee (1631)							\$ 300.00	
	Surcharge of for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)).								
		CLAIMS	NUMBER FILED NUMBER EXTRA					\$	
	Total	l Claims	68	-20 =	48	X	50	\$ 2,400.00	
	Inde	pendent Claims	9	-3 =	6	×	: 200	\$ 1,200.00	
	MULTIPLE DEPENDENT CLAIM(S) (if			pplicable) +					
	Examination Fee			+				\$ 200.00	
	Sear	ch Fee				+		\$ 400.00	
	App. Size Fee (add \$250.00 for each add'l 50 sheets exceeding 100 sheets)								
	TOTAL OF ABOVE CALCULATIONS =						CULATIONS =	\$ 4,500.00	
	Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.						\$ 2,250.00		
	SUBTOTAL =							\$ 2,250.00	
	Processing fee of for furnishing the English translation later than 20 30 months from the earliest claimed priority date (37 CFR 1.492(f)).						\$ 0.00		
	TOTAL NATIONAL FEE =							\$ 2,250.00	
	Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be								
	accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). per property +								
					TOTAL	FEES	ENCLOSED =	\$ 2,250.00 Amount to be	
	2 A shock in the amount of						refunded :		
	a. A check in the amount of to cover the above fees is enclosed.						charged :		
	b. [b. Please charge my Deposit Account No. <u>02-4800</u> in the amount of duplicate copy of this sheet is enclosed.						to cover the above fees. A	
	c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>02-4800</u> . A duplicate copy of this sheet is enclosed.								
	d. X Charge \$2,250.00 to credit card. Form PTO-2038 is attached.								
	NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a per or (b)) must be filed and granted to restore the application to pending status.							ition to revive (37	CFR 1.137(a)
							_	_	
	SEND ALL CORRESPONDENCE TO:						3		
	Buchanan Ingersoll PC Including attorneys from Burns, Doane, Swecker & Mathis P.O. Box 1404							1000 C	~
								seph R. Baker, Jr.	
	Alexandria, Virginia 22313-1404						echi L. Darel	J1.	
	(703	0) 000-0020					/IAIC		
	40,900						April	11, 2006	
						RE	GISTRATION	NO.	DATE